

WEST Search History

DATE: Monday, June 30, 2003

| <u>Set Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|--|---|------------------|-----------------|
| side by side | | result set | |
| <i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i> | | | |
| L1 | osan-frank\$.in. or berger-klaus\$.in. or ruchatz-dieter\$.in. or stark-oliver\$.in. or nakamura-toru\$.in. | 1332 | L1 |
| L2 | L1 and polyolefin | 110 | L2 |
| L3 | L2 and viscosity | 55 | L3 |
| L4 | L2 and viscosity number | 30 | L4 |
| L5 | L4 and viscosity ratio | 0 | L5 |
| L6 | L4 and (molar mass or molecular mass or molar weight or molecular weight) | 29 | L6 |

END OF SEARCH HISTORY

WEST Search History

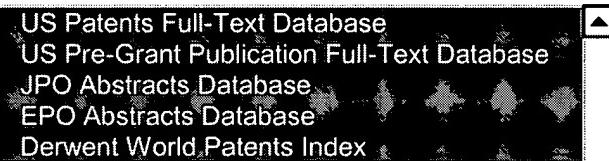
DATE: Monday, June 30, 2003

| <u>Set Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|--|---|------------------|-----------------|
| side by side | | | result set |
| <i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i> | | | |
| L1 | osan-frank\$.in. or berger-klaus\$.in. or ruchatz-dieter\$.in. or stark-oliver\$.in. or nakamura-toru\$.in. | 1332 | L1 |
| L2 | L1 and polyolefin | 110 | L2 |
| L3 | L2 and viscosity | 55 | L3 |
| L4 | L2 and viscosity number | 30 | L4 |
| L5 | L4 and viscosity ratio | 0 | L5 |
| L6 | L4 and (molar mass or molecular mass or molar weight or molecular weight) | 29 | L6 |
| L7 | l6 and melting | 18 | L7 |

END OF SEARCH HISTORY

WEST[Help](#) [Logout](#) [Interrupt](#)[Main Menu](#) [Search Form](#) [Posting Counts](#) [Show S Numbers](#) [Edit S Numbers](#) [Preferences](#) [Cases](#)**Search Results -**

| Terms | Documents |
|--|-----------|
| L10 and (molar mass or molar weight or molecular mass or molecular weight) | 7 |

**Database:** **Search:**
 Search History**DATE:** Monday, June 30, 2003 [Printable Copy](#) [Create Case](#)

Set Name Query
side by sideHit Count Set Name
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

| | | | |
|------------|---|------|------------|
| <u>L1</u> | osan-frank\$.in. or berger-klaus\$.in. or ruchatz-dieter\$.in. or stark-oliver\$.in. or nakamura-toru\$.in. | 1332 | <u>L1</u> |
| <u>L2</u> | L1 and polyolefin | 110 | <u>L2</u> |
| <u>L3</u> | L2 and viscosity | 55 | <u>L3</u> |
| <u>L4</u> | L2 and viscosity number | 30 | <u>L4</u> |
| <u>L5</u> | L4 and viscosity ratio | 0 | <u>L5</u> |
| <u>L6</u> | L4 and (molar mass or molecular mass or molar weight or molecular weight) | 29 | <u>L6</u> |
| <u>L7</u> | L6 and melting | 18 | <u>L7</u> |
| <u>L8</u> | L1 and (polyolefin with (amorphous or transparent or transparency)) | 19 | <u>L8</u> |
| <u>L9</u> | L1 and (polyolefin with amorphous) | 11 | <u>L9</u> |
| <u>L10</u> | L9 and viscosity | 7 | <u>L10</u> |
| <u>L11</u> | L10 and (molar mass or molar weight or molecular mass or molecular weight) | 7 | <u>L11</u> |

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 7 of 7 returned.** 1. Document ID: US 6068936 A

L11: Entry 1 of 7

File: USPT

May 30, 2000

US-PAT-NO: 6068936

DOCUMENT-IDENTIFIER: US 6068936 A

TITLE: Polyolefin film containing cycloolefin polymer, process for the production thereof, and the use thereof

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|--------------|-------|----------|---------|
| Peiffer; Herbert | Mainz | | | DE |
| Schlogl; Gunter | Kelkheim | | | DE |
| Dries; Thomas | Schwabenheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |

US-CL-CURRENT: 428/500; 156/244.11, 264/173.12, 264/173.16, 264/176.1, 428/515,
428/516, 428/519, 428/523, 428/910, 525/210
[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw Desc](#) | [Image](#)
 2. Document ID: US 5885704 A

L11: Entry 2 of 7

File: USPT

Mar 23, 1999

US-PAT-NO: 5885704

DOCUMENT-IDENTIFIER: US 5885704 A

TITLE: Oriented polyolefin film with amorphous polymer, a process for its production and its use

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|--------------|-------|----------|---------|
| Peiffer; Herbert | Mainz | | | DE |
| Murschall; Ursula | Nierstein | | | DE |
| Schloegl; Gunter | Kelkheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |
| Dries; Thomas | Schwabenheim | | | DE |

US-CL-CURRENT: 428/315.9; 428/314.4, 428/315.5, 428/319.3, 428/319.7
[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Draw Desc](#) | [Image](#)

3. Document ID: US 5866662 A

L11: Entry 3 of 7

File: USPT

Feb 2, 1999

US-PAT-NO: 5866662

DOCUMENT-IDENTIFIER: US 5866662 A

TITLE: Cycloolefin polymers

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Hatke; Wilfried | Hofheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |

US-CL-CURRENT: 526/160; 526/281, 526/283, 526/284, 526/308, 526/348, 526/348.6,
526/351, 526/352, 526/943[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KMC](#) | [Draw Desc](#) | [Image](#) 4. Document ID: US 5856414 A

L11: Entry 4 of 7

File: USPT

Jan 5, 1999

US-PAT-NO: 5856414

DOCUMENT-IDENTIFIER: US 5856414 A

TITLE: Cycloolefin polymers

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Hatke; Wilfried | Hofheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |

US-CL-CURRENT: 526/160; 526/159, 526/281, 526/283, 526/308, 526/348, 526/348.6,
526/943[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KMC](#) | [Draw Desc](#) | [Image](#) 5. Document ID: US 5623039 A

L11: Entry 5 of 7

File: USPT

Apr 22, 1997

US-PAT-NO: 5623039

DOCUMENT-IDENTIFIER: US 5623039 A

TITLE: Cycloolefin polymers

DATE-ISSUED: April 22, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Hatke; Wilfried | Hofheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |

US-CL-CURRENT: 526/281; 526/160, 526/283, 526/308, 526/348, 526/348.6, 526/943

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KMD](#) | [Drawn Desc](#) | [Image](#)

6. Document ID: US 5610253 A

L11: Entry 6 of 7

File: USPT

Mar 11, 1997

US-PAT-NO: 5610253

DOCUMENT-IDENTIFIER: US 5610253 A

TITLE: Cycloolefin polymers

DATE-ISSUED: March 11, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Hatke; Wilfried | Hofheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |

US-CL-CURRENT: 526/281; 526/160, 526/283, 526/308, 526/348, 526/348.6, 526/943

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KMD](#) | [Drawn Desc](#) | [Image](#)

7. Document ID: US 5573717 A

L11: Entry 7 of 7

File: USPT

Nov 12, 1996

US-PAT-NO: 5573717

DOCUMENT-IDENTIFIER: US 5573717 A

TITLE: Oriented polyolefin film with amorphous polymer, a process for its production and its use

DATE-ISSUED: November 12, 1996

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|--------------|-------|----------|---------|
| Peiffer; Herbert | Mainz | | | DE |
| Murschall; Ursula | Nierstein | | | DE |
| Schloegl; Gunter | Kelkheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |
| Dries; Thomas | Schwabenheim | | | DE |

US-CL-CURRENT: 264/45.1; 264/210.1, 264/210.7, 264/290.2, 264/45.5, 428/304.4,
428/315.5

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KMD](#) | [Drawn Desc](#) | [Image](#)

| Terms | Documents |
|--|-----------|
| L10 and (molar mass or molar weight or molecular mass or molecular weight) | 7 |

Display Format:

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 4 of 4 returned.**

1. Document ID: US 5866662 A

L12: Entry 1 of 4

File: USPT

Feb 2, 1999

US-PAT-NO: 5866662

DOCUMENT-IDENTIFIER: US 5866662 A

TITLE: Cycloolefin polymers

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Hatke; Wilfried | Hofheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |

US-CL-CURRENT: 526/160; 526/281, 526/283, 526/284, 526/308, 526/348, 526/348.6,
526/351, 526/352, 526/943[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KMD](#) | [Drawn Desc](#) | [Image](#)

2. Document ID: US 5856414 A

L12: Entry 2 of 4

File: USPT

Jan 5, 1999

US-PAT-NO: 5856414

DOCUMENT-IDENTIFIER: US 5856414 A

TITLE: Cycloolefin polymers

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Hatke; Wilfried | Hofheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |

US-CL-CURRENT: 526/160; 526/159, 526/281, 526/283, 526/308, 526/348, 526/348.6,
526/943[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KMD](#) | [Drawn Desc](#) | [Image](#)

3. Document ID: US 5623039 A

L12: Entry 3 of 4

File: USPT

Apr 22, 1997

US-PAT-NO: 5623039

DOCUMENT-IDENTIFIER: US 5623039 A

TITLE: Cycloolefin polymers

DATE-ISSUED: April 22, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Hatke; Wilfried | Hofheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |

US-CL-CURRENT: 526/281; 526/160, 526/283, 526/308, 526/348, 526/348.6, 526/943

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KUMC](#) | [Drawn Desc](#) | [Image](#)

4. Document ID: US 5610253 A

L12: Entry 4 of 4

File: USPT

Mar 11, 1997

US-PAT-NO: 5610253

DOCUMENT-IDENTIFIER: US 5610253 A

TITLE: Cycloolefin polymers

DATE-ISSUED: March 11, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Hatke; Wilfried | Hofheim | | | DE |
| <u>Osan; Frank</u> | Kelkheim | | | DE |

US-CL-CURRENT: 526/281; 526/160, 526/283, 526/308, 526/348, 526/348.6, 526/943

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KUMC](#) | [Drawn Desc](#) | [Image](#)

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| Terms | Documents |
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| L11 and reactor | 4 |

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WEST Search History

DATE: Monday, June 30, 2003

| <u>Set Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
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| side by side | | | result set |
| <i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i> | | | |
| L1 | osan-frank\$.in. or berger-klaus\$.in. or ruchatz-dieter\$.in. or stark-oliver\$.in. or nakamura-toru\$.in. | 1332 | L1 |
| L2 | L1 and polyolefin | 110 | L2 |
| L3 | L2 and viscosity | 55 | L3 |
| L4 | L2 and viscosity number | 30 | L4 |
| L5 | L4 and viscosity ratio | 0 | L5 |
| L6 | L4 and (molar mass or molecular mass or molar weight or molecular weight) | 29 | L6 |
| L7 | L6 and melting | 18 | L7 |
| L8 | L1 and (polyolefin with (amorphous or transparent or transparency)) | 19 | L8 |
| L9 | L1 and (polyolefin with amorphous) | 11 | L9 |
| L10 | L9 and viscosity | 7 | L10 |
| L11 | L10 and (molar mass or molar weight or molecular mass or molecular weight) | 7 | L11 |
| L12 | L11 and reactor | 4 | L12 |

END OF SEARCH HISTORY